

DATE: 29 May 2025
DESIGNER: Michael Lannon
PROJECT No: 3201
PROJECT NAME: Clúid Housing, Leixlip

**LIGHTING
REALITY**

Lighting class Design to EN13201 / BS 5489

Grid 1 (Roadway & Footpath) - Lighting Class P4
Grid 1 (Junction) - Conflict Lighting Class C2

Outdoor Lighting Report

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**LIGHTING
REALITY**

Layout Report

General Data

Dimensions in Metres Angles in Degrees

Calculation Grids

ID	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	Grid 1	-146.79	-117.39	332.00	246.00	1.50	1.50
2	Grid 2	-46.09	-70.83	63.65	46.11	1.48	1.49

Luminaires

Luminaire A Data



Supplier	C U Phosco
Type	P852-12-F2-WW-CA0700-27W
Lamp(s)	730C WW
Lamp Flux (klm)	3.08
File Name	P852-12-F2-WW-CA0700-27W .ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	750.5 280.0 34.0
Lamp S/P Ratio	1.30
No. in Project	8

Luminaire B Data



Supplier	C U Phosco
Type	P862-256-F2B-730-W3-0250-64W
Lamp(s)	730SS
Lamp Flux (klm)	8.60
File Name	P862-256-F2B-730-W3-0250-64W .ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	458.8 61.6 0.7
Lamp S/P Ratio	1.30
No. in Project	4

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	B	-11.14	-37.26	8.00	244.00	5.00	0.00	1.50			
2	A	4.43	0.12	6.00	171.00	0.00	0.00	0.40			
3	A	2.13	26.57	6.00	195.00	0.00	0.00	0.40			
4	A	-15.61	30.61	6.00	8.00	0.00	0.00	0.40			
5	A	-3.20	55.32	6.00	177.00	0.00	0.00	0.40			
6	A	15.70	43.59	6.00	277.00	0.00	0.00	0.40			
7	A	40.61	25.71	6.00	77.00	0.00	0.00	0.40			
8	A	54.25	46.35	6.00	2.00	0.00	0.00	0.40			
9	B	1.57	-50.68	6.00	87.00	3.00	0.00	1.50			
10	B	-9.47	-90.46	6.00	170.00	0.00	0.00	1.00			
11	B	-25.44	-54.81	6.00	45.00	5.00	0.00	1.50			
12	A	2.87	-20.81	6.00	181.00	0.00	0.00	0.40			

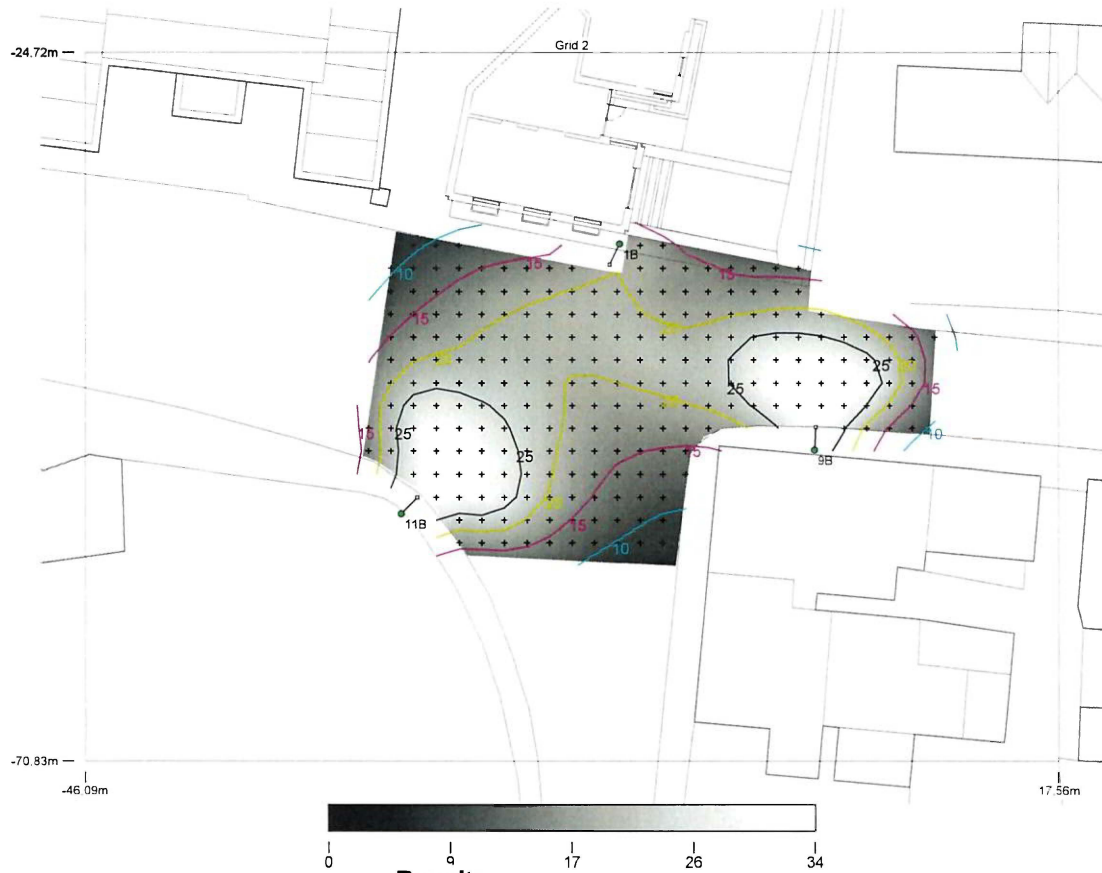
Horizontal Illuminance (lux)

Grid 1



Horizontal Illuminance (lux)

Grid 2



Results

Eav	20.35
Emin	8.32
E _{max}	34.42
Emin/E _{max}	0.24
Emin/Eav	0.41